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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO
09/768,301	01/25/2001	Sang Kyun Cha	K-254	4139
34610 7	7590 07/14/2005		EXAMINER	
FLESHNER & KIM, LLP			TO, BAOQUOC N	
P.O. BOX 221	200			
CHANTILLY, VA 20153			ART UNIT	PAPER NUMBER
	•		. 2162	
			DATE MAILED, 07/14/2005	

Please find below and/or attached an Office communication concerning this application or proceeding.

	Application No.	Applicant(s)				
Office Action Summers	09/768,301	CHA ET AL				
Office Action Summary	Examiner	Art Unit				
	Baoquoc N. To	2162				
The MAILING DATE of this communication appears on the cover sheet with the correspondence address Period for Reply						
A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION. - Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication. - If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely. - If NO period for reply specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication. - Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). - Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).						
Status						
1) Responsive to communication(s) filed on 29 Ag	<u>oril 2005</u> .					
2a)⊠ This action is FINAL . 2b)□ This	This action is FINAL . 2b) This action is non-final.					
3)☐ Since this application is in condition for allowan						
closed in accordance with the practice under E	x parte Quayle, 1935 C.D. 11, 45	3 O.G. 213.				
Disposition of Claims						
4) Claim(s) 1-37 is/are pending in the application. 4a) Of the above claim(s) is/are withdraw 5) Claim(s) is/are allowed. 6) Claim(s) 1-37 is/are rejected. 7) Claim(s) is/are objected to. 8) Claim(s) are subject to restriction and/or						
9) The specification is objected to by the Examiner						
		vaminer				
10) The drawing(s) filed on is/are: a) accepted or b) objected to by the Examiner. Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).						
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).						
11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.						
Priority under 35 U.S.C. § 119						
12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some * c) None of: 1. Certified copies of the priority documents have been received. 2. Certified copies of the priority documents have been received in Application No 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received.						
Attachment(s)						
Notice of References Cited (PTO-892) Notice of Draftsperson's Patent Drawing Review (PTO-948) Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) A) Interview Summary (PTO-413) Paper No(s)/Mail Date Notice of Informal Patent Application (PTO-152)						
Paper No(s)/Mail Date 6) Other:						

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DETAILED ACTION

Claims 1, 24 and 34 are amended in the amendment filed on 04/29/2005.
 Claims 1-37 are pending in this application.

Response to Arguments

2. Applicant's arguments with respect to claims 1, 24 and 34 have been considered but are most in view of the new ground(s) of rejection.

Claim Rejections - 35 USC § 112

The following is a quotation of the second paragraph of 35 U.S.C. 112:

The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.

3. Claims 1-37 are rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.

In claim 1, lines 16 and 28, the symbol " \oplus " in both equations is not defined, it is not clear the symbol means.

Claims 2-23 are rejected under the same reason as to claim 1.

In claim 24, in line 8 " Δt ", in line 14, "bs+p", "bs" and " \oplus ", in line 18 "bs-q", "bs" and symbol of " \oplus " are not defined, it is not clear what they are and mean.

Claims 25-33 are rejected under the same reason as to claim 24.

In claim 34, in line 8 " Δt ", in lines 13, "bs+p", "bs" and " \oplus ", and in line 17, "bs-q","bs" and " \oplus " are not defined, it not clear what they are and mean.

Claims 35-37 are rejected under the same reason as to claim 34.

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Conclusion

4. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

Menon (US. Patent No. 6,327,671 B1) Patent date: 12/04/2001.

Contact Information

5. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Baoquoc N. To whose telephone number is at 571-272-4041 or via e-mail Baoquoc N. To whose telephone number is at 571-272-4041 or via e-mail Baoquoc N. To whose telephone number is at 571-272-4041 or via e-mail Baoquoc N. To whose telephone number is at 571-272-4041 or via e-mail Baoquoc N. To whose telephone number is at 571-272-4041 or via e-mail Baoquoc N. To whose telephone number is at 571-272-4041 or via e-mail Baoquoc N. To whose telephone number is at 571-272-4041 or via e-mail Baoquoc N. To whose telephone number is at 571-272-4041 or via e-mail Baoquoc N. To whose telephone number is at 571-272-4041 or via e-mail Baoquoc N. To whose telephone number is at 571-272-4041 or via e-mail Baoquoc N. To whose telephone number is at 571-272-4041 or via e-mail Baoquoc N. To whose telephone number is at 571-272-4041 or via e-mail Baoquoc N. To whose telephone number is at 571-272-4041 or via e-mail Baoquoc N. To whose telephone number is at 571-272-4041 or via e-mail Baoquoc N. To whose telephone number is at 571-272-4041 or via e-mail Baoquoc N. To whose telephone number is at 571-272-4041 or via e-mail Baoquoc N. To whose telephone number is at 571-272-4041 or via e-mail Baoquoc N. To whose telephone number is at 571-272-4041 or via e-mail Baoquoc N. To whose telephone number is at 571-272-4041 or via e-mail Baoquoc N. To whose telephone number is at 571-272-4041 or via e-mail Baoquoc N. To whose telephone number is at 571-272-4041 or via e-mail Baoquoc N. To whose telephone number is at 571-272-4041 or via e-mail Baoquoc N. To whose telephone number is at 571-272-4041 or via e-mail Baoquoc N. To whose telephone number is at 571-272-4041 or via e-mail Baoquoc N. To whose telephone number is at 571-272-4041 or via e-mail Baoquoc N. To whose telephone number is at 571-272-4041 or via e-mail Baoquoc N. To whose telephone number is at 571-272-4041 or via e-mail Baoquoc N. To whose telephone number is at 57

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, John Breene can be reached at 571-272-4107.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is (703) 305-3900.

Any response to this action should be mailed to:

Commissioner of Patents and Trademarks Washington, D.C. 20231.

The fax numbers for the organization where this application or proceeding is assigned are as follow:

(703) 872-9306 [Official Communication]

Baoquoc N. To

July 10, 2005

JEAN M. CORRIELUS